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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,545	07/20/2004	THOMAS D. BELANGER JR	81102077	4544

7590 06/21/2005

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SOUTHFIELD, MI 48034

EXAMINER

PATEL, HARSHAD C

ART UNIT	PAPER NUMBER
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2839

DATE MAILED: 06/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/710,545

Applicant(s)

BELANGER JR, THOMAS D.

Examiner

Harshad C. Patel

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) 1-3, 7 and 11-15 is/are rejected.
- 7) ☐ Claim(s) 4-6, 8-10 and 16 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 7/20/2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 6/14/05.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Specification

1. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

2. The disclosure is objected to because of the following informalities:

Paragraph 0020 line 8, the reference numeral " 36" should be changed to -
- 34 --.

Claim Objections

3. Claim 14 is objected to because of the following informalities:

Claim 14, line 20 note error, "detentr radially" should be changed to --
detent radially --.

Claim 14, lines 5 - 6, " to -- serially receive one of an ignitor plug and an
accessory power plug --." is unclear.

Applicant should change "serially receive an ignitor plug and an accessory
power plug " to -- serially receive one of an ignitor plug and an accessory power
plug --.

Appropriate correction is required.

Drawings

4. Fig 2 numeral "38 " should be added, (see specification Para 0021, line 3.)

5. Specification Para 0022, line 7 refers to "ribbon 44 radially separated from lance
or detent 22 " but this feature is not shown clearly on fig. 3.

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6. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, in claim 5 "integral ribbon separated from detent" and in claims 12 and 14 "plural detents" must be shown or the feature(s) canceled from the claim(s). In fig 3 the recited separation is not seen and none of the figs shows the use of plural detents. No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Double Patenting

7. Applicant is advised that should claim 1 be found allowable, claim 15 is objected to under 37 CFR 1.75 as being a substantial duplicate thereof. When two claims in an

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application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. Claims 1 - 3, 7, 11, 13 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by APA instant fig 2.

Regarding claims 1, 11, and 15 Admitted Prior Art (APA) instant fig 2, discloses a multipurpose power point comprising, a cylindrical terminal housing 14 with an open end 12a and a closed end 12b, a center terminal 14 being adapted for making contact with a power consuming device 32 or 34; at least one detent 22 having a first end attached to said terminal housing 14 and a second end adapted for subjecting a power consuming device 32 or 34 inserted into said terminal housing to both radially and axially directed forces and an overtravel preventer attached to an outer housing portion 40 of said power point, for engaging said at least one detent 22 and for subjecting said detent to a radially inwardly directed force sufficient to prevent said detent from deforming plastically in response to an opposing force placed upon the detent by said power

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consuming device or by the combination of side terminal and retention contact of accessory power plug.

Regarding claims 2 and 3, APA, instant fig 2, discloses the accessory power plug 34 that is an ignitor plug and adapted to be wired to an electrically powered device.

Regarding claim 7, APA, instant fig 2, discloses outer housing (not numbered) comprising a cover (22), which is concentric with terminal housing (rear portion) and a cover is having a necked down section.

Regarding claim 13, APA, instant fig 2, discloses a multipurpose power point comprising at least one detent having a lance 22 with a spring portion (portion towards open end) cantilevered from terminal housing, end portion of the element 22 is taken as a latch portion of the housing (overtravel preventer) come into contact with latch portion, in response to the insertion of an accessory power plug, before the spring portion has been plastically deformed by the power plug.

Claim Rejections - 35 USC § 103

10. Claims 12 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over APA in view of Kline (2,310,029).

APA discloses all the elements of claims 12 and 14. However does not disclose terminal housing has plural detents or diametrically opposed detents.

Kline discloses the terminal housing with two diametrically opposed detents at 10a (fig 1) to modify APA and provide a plurality of detents as suggested by Kline.

It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify the APA and provide a plurality of diametrically opposed detents, as suggested by Kline in order to achieve the higher retention force.

Allowable Subject Matter

11. Claims 4 - 6, 8 - 10 and 16 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 4 recites "the overtravel preventer comprising an integral formed rib extending axially along an inner portion of the outer housing such that the rib will contact the detent so as to limit deflection of the detent in response to forces imposed upon the detent by the power consuming device."

Claim 5 recites "the overtravel preventer comprising a simply supported, integral ribbon extending axially along, but radially separated from, the detent, and with the integral ribbon having a section profile which approximates the section profile of the detent."

Claim 6 recites "the overtravel preventer comprising an integral, cantilevered ribbon extending axially along, detent, and with the ribbon having a section profile which matches the section profile of the detent but radially separated from the detent."

Claim 8 recites "the overtravel preventer comprising a cantilevered integral ribbon extending axially along, but radially separated from, the detent, with the ribbon having an integral retention tab formed, on the unsupported end of the ribbon."

Claim 9 recites "the overtravel preventer comprising an inwardly extending stop upset from the outer housing and positioned so as to prevent outward movement of the detent beyond a predetermined position."

Claim 10 recites "the overtravel preventer comprising an inwardly extending stop upset from and partially separated the outer housing and positioned so as to prevent outward movement of the detent beyond a predetermined position. "

Claim 16 recites, "the overtravel preventer comprises a ribbon having a first end attached to an outer surface of the terminal housing and a second end for engaging the at least one detent."

These limitations are not disclosed or suggested by any of the references.

Conclusion

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harshad C. Patel whose telephone number is 571 272 8289. The examiner can normally be reached on M - F; 8.00 AM TO 5.00 PM.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, T. C. Patel can be reached on 571 272 2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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14. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner

HCP

Date

Patel
6/14/05.

Tulsidas C. Patel

TULSIDAS C. PATEL
SUPERVISORY PATENT EXAMINER